Title (en)
    SAMPLING DEVICE

Title (de)
    ABTAST- UND HALTESCHALTUNG

Title (fr)
    DISPOSITIF D'ÉCHANTILLONNAGE

Publication
    EP 3151245 A1 20170405 (EN)

Application
    EP 15187933 A 20151001

Priority
    EP 15187933 A 20151001

Abstract (en)
    A sampling device (50) serves the purpose of sampling a differential measuring voltage. The sampling device (50) comprises at least a first holding device (52), a second holding device (53) and a multiplexing circuit (54), which is adapted to provide a differential sample of a sampled differential signal, derived from the differential measuring voltage by sampling with a first clock signal of a first clock rate, to the first holding device (52), at the occurrence of each HIGH-value of a second clock signal of a second clock rate being half of the first clock rate and provide a differential sample of the sample differential signal to the second holding device (53), at the occurrence of each LOW-value of the second clock signal. Furthermore, the sampling device (50) comprises a reset device (51), adapted to reset the second holding device (53) at or after the occurrence of each HIGH-value of the second clock signal and reset the first holding device (52) at or after the occurrence of each low value of the second clock signal.

IPC 8 full level
    G11C 27/02 (2006.01); **H03M 1/12** (2006.01)

CPC (source: CN EP US)
    G11C 27/02 (2013.01 - US); **G11C 27/024** (2013.01 - EP US); **H03K 5/2418** (2013.01 - EP US); **H03K 5/2427** (2013.01 - EP US); **H03K 5/2481** (2013.01 - EP US); **H03K 5/249** (2013.01 - EP US); **H03M 1/1245** (2013.01 - CN); H03M 1/124 (2013.01 - EP US)

Citation (applicant)
    US 5134403 A 19920728 - RUSH KENNETH [US]

Citation (search report)
    • [A] US 5510736 A 19960423 - VAN DE PLASSCHE RUDY [NL]
    • [A] US 2004130356 A1 20040708 - HIGASHI KOICHI [JP], et al

Designated contracting state (EPC)
    AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
    BA ME

DOCDB simple family (publication)
    EP 3151245 A1 20170405; **EP 3151245 B1 20190918**; **EP 3151245 B8 20191023**; CN 106561001 A 20170412; CN 106561001 B 20191217; US 10224113 B2 20190305; US 2017098475 A1 20170406

DOCDB simple family (application)
    EP 15187933 A 20151001; CN 201610232627 A 20160414; US 201615173348 A 20160603